

STEREO MOC Status Report
Time Period: 2008:091 - 2008:097

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- None.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 092, a SECCHI stepped calibration was successfully executed.
- On day 092, a flight software load version 406 to the SWAVES instrument was successfully conducted.
- On day 093, the 7th HGA calibration was conducted. At 1520Z, during preparations for the HGA calibration activity, 3 to 4 minutes of SSR science playback data was dropped because insufficient time was allowed between stopping the SSR playback and reconfiguring DSS-26 for 96 kbps downlink. By this time in the track, SSR partitions had all been completely played back, so the data loss was confined to real-time data during the telemetry dropout.
- On day 094, IMPACT SWEA temperature had decreased to -45 degrees C since the previous track. This was reported to IMPACT and ultimately identified as an IMPACT SWEA reset. The instrument was recovered into its operational configuration by the end of the track.
- On day 094, a Fault Protection version 2.3.9 was successfully loaded to C&DH EEPROM and RAM.
- The average daily SSR playback volume for Ahead was 7.1 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 091, ranging lock was lost during the DSS 25 support for 20 minutes starting at 2025Z due to station equipment problem. At this time, command bind was also lost. This

resulted in a loss of 20 minutes of ranging data. See DR# G108476 for more information.

- On day 093, AOS was 19 minutes late due to a failed exciter power supply at DSS 26. Some SECCHI day 092 and 093 data was lost due to SSR playback in progress during the delayed uplink sweep. See DR# G108488 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 092, a flight software load version 406 to the SWAVES instrument was successfully conducted.
- On day 093, the 7th HGA calibration was conducted.
- On day 094, a Fault Protection version 2.3.9 was successfully loaded to C&DH EEPROM and RAM.
- The average daily SSR playback volume for Behind was 7.4 Gbits during this week.